Division of Oil, Gas, & Mining 12/03/96 Mining Report MINE NAME: MANCOS SHALE - RETIRED MINE ID: S0190032 OPERATOR: BRANNON, ARNOLD/EARLE, DENNIS CONTACT: ARNOLD BRANNON 3602 B SOUTH MAPLEWOOD ADDRESS: TULSA OK 74135 PHONE: (918)663-5412 Surface Owner: STATE BLM #: Mineral Owner: STATE Lease #: ML 45869 Qtr-Qtr-Qtr1 Qtr-Qtr1 Qtr1 Qtr-Qtr-Qtr2 Qtr-Qtr2 Qtr2 Sec Town Range 16 21.0S 21.0E Mine Type [(S)urface, (U)nderground]: S Permit Status: RET Acreage: Mine Status: RET Status Date: 12/03/96 Minerals Mined PRECIOUS METALS FINAL APPROVAL LAST INSPECTED TENTATIVE APPROVAL DATE DATE DATE RECEIVED 04/27/93 11/14/96 04/26/93 BOND AMOUNT: BOND TYPE: ANNUAL REPORT YEAR: 94 YTD Total DATE RESOLVED: 0 0 DATE ISSUED: NONCOMP NOTICES: DATE RESOLVED: VIOLATIONS: 0 0 DATE ISSUED: DATE REC'D: DATE APPROVED: REVISIONS: 0 0 DATE REC'D: DATE APPROVED: 0 AMENDMENTS: COMMENTS:

EXTRACTING METAL VIA AMMONIUM CHLORIDE BASE W/PH FROM 5.5 TO 6.5. SYSTEM IS A CLOSED WATER LOOP WITH ZERO WATER DISCHARGE. OPERATION WILL USE EXISTING ROADS

STATE LANDS REQUESTING BOND OF \$25,000 BY 6/17/94 OR LEASE MAY BE CANCELLED. SITE INSPECTION 11/14/96 DETERMINED THAT SITE CAN BE CLOSED AND FILE RETIRED.